

1	C C T G A A G G G A G A G C A G G G A G	original Figure 1A-1D.SEQ
1	C C T - - - - -	deposited clone.SEQ
21	A G A G A G G A C A G T G G C C A G A G	original Figure 1A-1D.SEQ
4	- - - - -	deposited clone.SEQ
41	A G G G C T C T G G G C A C T G G A G G	original Figure 1A-1D.SEQ
4	- - - - -	deposited clone.SEQ
61	G A C G C T C T T C T T C C T G C C C A	original Figure 1A-1D.SEQ
4	- - - - -	deposited clone.SEQ
81	G G G G T C C C T G G G C C G A T G G G	original Figure 1A-1D.SEQ
4	- - - - -	deposited clone.SEQ
101	A T C A C G C A G A A G A A T G C G A G	original Figure 1A-1D.SEQ
4	- - - - -	deposited clone.SEQ
121	A G A A G C A G C C T T T G A G A A G G	original Figure 1A-1D.SEQ
4	- - - - -	deposited clone.SEQ
141	G A A G T C A C T A T C C C A G A G C C	original Figure 1A-1D.SEQ
4	- - - - -	deposited clone.SEQ
161	C A G A C T G A G C G G A T G G A G T T	original Figure 1A-1D.SEQ
4	- - - - -	deposited clone.SEQ
181	G A G G A A G T A C G G C C C T G G A A	original Figure 1A-1D.SEQ
4	- - - - -	deposited clone.SEQ
201	G A C T G G C G G G G A C A G T T A T A	original Figure 1A-1D.SEQ
4	- - - - -	deposited clone.SEQ
221	G G A G G A G C T G C T C A G A G T A A	original Figure 1A-1D.SEQ
4	- - - - -	deposited clone.SEQ
241	A T C A C A G A C T A A A T C A G A C T	original Figure 1A-1D.SEQ
4	- - - - -	deposited clone.SEQ
261	C A A T C A C A A A A G A G T T C C T G	original Figure 1A-1D.SEQ
4	- - - - -	deposited clone.SEQ
281	C C A G G C C T T T A C A C A G C C C C	original Figure 1A-1D.SEQ
4	- - - - -	deposited clone.SEQ
301	T T C C T C C C C G T T C C C G C C C T	original Figure 1A-1D.SEQ
4	- T C C T C C C C G T T C C C G C C C T	deposited clone.SEQ

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321	C A C A G G T G A G T G A C C A C C A A	original Figure 1A-1D.SEQ
23	C A C A G G T G A G T G A C C A C C A A	deposited clone.SEQ
341	G T G C T A A A T G A C G C C G A G G T	original Figure 1A-1D.SEQ
43	G T G C T A A A T G A C G C C G A G G T	deposited clone.SEQ
361	T G C C G C C C T C C T G G A G A A C T	original Figure 1A-1D.SEQ
63	T G C C G C C C T C C T G G A G A A C T	deposited clone.SEQ
381	T C A G C T C T T C C T A T G A C T A T	original Figure 1A-1D.SEQ
83	T C A G C T C T T C C T A T G A C T A T	deposited clone.SEQ
401	G G A G A A A A C G A G A G T G A C T C	original Figure 1A-1D.SEQ
103	G G A G A A A A C G A G A G T G A C T C	deposited clone.SEQ
421	G T G C T G T A C C T C C C C G C C C T	original Figure 1A-1D.SEQ
123	G T G C T G T A C C T C C C C G C C C T	deposited clone.SEQ
441	G C C C A C A G G A C T T C A G C C T G	original Figure 1A-1D.SEQ
143	G C C C A C A G G A C T T C A G C C T G	deposited clone.SEQ
461	A A C T T C G A C C G G G C C T T C C T	original Figure 1A-1D.SEQ
163	A A C T T C G A C C G G G C C T T C C T	deposited clone.SEQ
481	G C C A G C C C T C A A C A G C C T C C	original Figure 1A-1D.SEQ
183	G C C A G C C C T C T A C A G C C T C C	deposited clone.SEQ
501	T C T T T C T G C T G G G G C T G C T G	original Figure 1A-1D.SEQ
203	T C T T T C T G C T G G G G C T G C T G	deposited clone.SEQ
521	G G C A A C G G C G C G G T G G C A G C	original Figure 1A-1D.SEQ
223	G G C A A C G G C G C G G T G G C A G C	deposited clone.SEQ
541	C G T G C T G C T G A G C C G G C G G A	original Figure 1A-1D.SEQ
243	C G T G C T G C T G A G C C G G C G G A	deposited clone.SEQ
561	C A G C C C T G A G C A G C A C C G A C	original Figure 1A-1D.SEQ
263	C A G C C C T G A G C A G C A C C G A C	deposited clone.SEQ
581	A C C T T C C T G C T C C A C C T A G C	original Figure 1A-1D.SEQ
283	A C C T T C C T G C T C C A C C T A G C	deposited clone.SEQ
601	T G T A G C A G A C A C G C T G C T G G	original Figure 1A-1D.SEQ
303	T G T A G C A G A C A C G C T G C T G G	deposited clone.SEQ
621	T G C T G A C A C T G C C G C T C T G G	original Figure 1A-1D.SEQ
323	T G C T G A C A C T G C C G C T C T G G	deposited clone.SEQ

641	G C A G T G G A C G C T G C C G T C C A	original Figure 1A-1D.SEQ
343	G C A G T G G A C G C T G C C G T C C A	deposited clone.SEQ
661	G T G G G T C T T T G G C T C T G G C C	original Figure 1A-1D.SEQ
363	G T G G G T C T T T G G C T C T G G C C	deposited clone.SEQ
681	T C T G C A A A G T G G C A G G T G C C	original Figure 1A-1D.SEQ
383	T C T G C A A A G T G G C A G G T G C C	deposited clone.SEQ
701	C T C T T C A A C A T C A A C T T C T A	original Figure 1A-1D.SEQ
403	C T C T T C A A C A T C A A C T T C T A	deposited clone.SEQ
721	C G C A G G A G C C C T C C T G C T G G	original Figure 1A-1D.SEQ
423	C G C A G G A G C C C T C C T G C T G G	deposited clone.SEQ
741	C C T G C A T C A G C T T T G A C C G C	original Figure 1A-1D.SEQ
443	C C T G C A T C A G C T T T G A C C G C	deposited clone.SEQ
761	T A C C T G A A C A T A G T T C A T G C	original Figure 1A-1D.SEQ
463	T A C C T G A A C A T A G T T C A T G C	deposited clone.SEQ
781	C A C C C A G C T C T A C C G C C G G G	original Figure 1A-1D.SEQ
483	C A C C C A G C T C T A C C G C C G G G	deposited clone.SEQ
801	G G C C C C C G G C C C G C G T G A C C	original Figure 1A-1D.SEQ
503	G G C C C C C G G C C C G C G T G A C C	deposited clone.SEQ
821	C T C A C C T G C C T G G C T G T C T G	original Figure 1A-1D.SEQ
523	C T C A C C T G C C T G G C T G T C T G	deposited clone.SEQ
841	G G G G C T C T G C C T G C T T T T C G	original Figure 1A-1D.SEQ
543	G G G G C T C T G C C T G C T T T T C G	deposited clone.SEQ
861	C C C T C C C A G A C T T C A T C T T C	original Figure 1A-1D.SEQ
563	C C C T C C C A G A C T T C A T C T T C	deposited clone.SEQ
881	C T G T C G G C C C A C C A C G A C G A	original Figure 1A-1D.SEQ
583	C T G T C G G C C C A C C A C G A C G A	deposited clone.SEQ
901	G C G C C T C A A C G C C A C C C A C T	original Figure 1A-1D.SEQ
603	G C G C C T C A A C G C C A C C C A C T	deposited clone.SEQ
921	G C C A A T A C A A C T T C C C A C A G	original Figure 1A-1D.SEQ
623	G C C A A T A C A A C T T C C C A C A G	deposited clone.SEQ
941	G T G G G C C G C A C G G C T C T G C G	original Figure 1A-1D.SEQ
643	G T G G G C C G C A C G G C T C T G C G	deposited clone.SEQ

961	G G T G C T G C A G C T G G T G G C T G	original Figure 1A-1D.SEQ
663	G G T G C T G C A G C T G G T G G C T G	deposited clone.SEQ
981	G C T T T C T G C T G C C C C T G C T G	original Figure 1A-1D.SEQ
683	G C T T T C T G C T G C C C C T G C T G	deposited clone.SEQ
1001	G T C A T G G C C T A C T G C T A T G C	original Figure 1A-1D.SEQ
703	G T C A T G G C C T A C T G C T A T G C	deposited clone.SEQ
1021	C C A C A T C C T G G C C G T G C T G C	original Figure 1A-1D.SEQ
723	C C A C A T C C T G G C C G T G C T G C	deposited clone.SEQ
1041	T G G T T T C C A G G G G C C A G C G G	original Figure 1A-1D.SEQ
743	T G G T T T C C A G G G G C C A G C G G	deposited clone.SEQ
1061	C G C C T G C G G G C C A T G C G G C T	original Figure 1A-1D.SEQ
763	C G C C T G C G G G C C A T G C G G C T	deposited clone.SEQ
1081	G G T G G T G G T G G T C G T G G T G G	original Figure 1A-1D.SEQ
783	G G T G G T G G T G G T C G T G G T G G	deposited clone.SEQ
1101	C C T T T G C C C T C T G C T G G A C C	original Figure 1A-1D.SEQ
803	C C T T T G C C C T C T G C T G G A C C	deposited clone.SEQ
1121	C C C T A T C A C C T G G T G G T G C T	original Figure 1A-1D.SEQ
823	C C C T A T C A C C T G G T G G T G C T	deposited clone.SEQ
1141	G G T G G A C A T C C T C A T G G A C C	original Figure 1A-1D.SEQ
843	G G T G G A C A T C C T C A T G G A C C	deposited clone.SEQ
1161	T G G G C G C T T T G G C C C G C A A C	original Figure 1A-1D.SEQ
863	T G G G C G C T T T G G C C C G C A A C	deposited clone.SEQ
1181	T G T G G C C G A G A A A G C A G G G T	original Figure 1A-1D.SEQ
883	T G T G G C C G A G A A A G C A G G G T	deposited clone.SEQ
1201	A G A C G T G G C C A A G T C G G T C A	original Figure 1A-1D.SEQ
903	A G A C G T G G C C A A G T C G G T C A	deposited clone.SEQ
1221	C C T C A G G C C T G G G C T A C A T G	original Figure 1A-1D.SEQ
923	C C T C A G G C C T G G G C T A C A T G	deposited clone.SEQ
1241	C A C T G C T G C C T C A A C C C G C T	original Figure 1A-1D.SEQ
943	C A C T G C T G C C T C A A C C C G C T	deposited clone.SEQ
1261	G C T C T A T G C C T T T G T A G G G G	original Figure 1A-1D.SEQ
963	G C T C T A T G C C T T T G T A G G G G	deposited clone.SEQ

1281	T C A A G T T C C G G G A G C G G A T G	original Figure 1A-1D.SEQ
983	T C A A G T T C C G G G A G C G G A T G	deposited clone.SEQ
1301	T G G A T G C T G C T C T T G C G C C T	original Figure 1A-1D.SEQ
1003	T G G A T G C T G C T C T T G C G C C T	deposited clone.SEQ
1321	G G G C T G C C C C A A C C A G A G A G	original Figure 1A-1D.SEQ
1023	G G G C T G C C C C A A C C A G A G A G	deposited clone.SEQ
1341	G G C T C C A G A G G C A G C C A T C G	original Figure 1A-1D.SEQ
1043	G G C T C C A G A G G C A G C C A T C G	deposited clone.SEQ
1361	T C T T C C C G C C G G G A T T C A T C	original Figure 1A-1D.SEQ
1063	T C T T C C C G C C G G G A T T C A T C	deposited clone.SEQ
1381	C T G G T C T G A G A C C T C A G A G G	original Figure 1A-1D.SEQ
1083	C T G G T C T G A G A C C T C A G A G G	deposited clone.SEQ
1401	C C T C C T A C T C G G G C T T G T G A	original Figure 1A-1D.SEQ
1103	C C T C C T A C T C G G G C T T G T G A	deposited clone.SEQ
1421	G G C C G G A A T C C G G G C T C C C C	original Figure 1A-1D.SEQ
1122		deposited clone.SEQ
1441	T T T C G C C C A C A G T C T G A C T T	original Figure 1A-1D.SEQ
1122		deposited clone.SEQ
1461	C C C C G C A T T C C A G G C T C C T C	original Figure 1A-1D.SEQ
1122		deposited clone.SEQ
1481	C C T C C C T C T G C C G G C T C T G G	original Figure 1A-1D.SEQ
1122		deposited clone.SEQ
1501	C T C T C C C C A A T A T C C T C G C T	original Figure 1A-1D.SEQ
1122		deposited clone.SEQ
1521	C C C G G G A C T C A C T G G C A G C C	original Figure 1A-1D.SEQ
1122		deposited clone.SEQ
1541	C C A G C A C C A C C A G G T C T C C C	original Figure 1A-1D.SEQ
1122		deposited clone.SEQ
1561	G G G A A G C C A C C C T C C C A G C T	original Figure 1A-1D.SEQ
1122		deposited clone.SEQ
1581	C T G A G G A C T G C A C C A T T G C T	original Figure 1A-1D.SEQ
1122		deposited clone.SEQ

1601	G C T C C T T A G C T G C C A A G C C C	original Figure 1A-1D.SEQ
1122		deposited clone.SEQ
1621	C A T C C T G C C G C C C G A G G T G G	original Figure 1A-1D.SEQ
1122		deposited clone.SEQ
1641	C T G C C T G G A G C C C C A C T G C C	original Figure 1A-1D.SEQ
1122		deposited clone.SEQ
1661	C T T C T C A T T T G G A A A C T A A A	original Figure 1A-1D.SEQ
1122		deposited clone.SEQ
1681	A C T T C A T C T T C C C C A A G T G C	original Figure 1A-1D.SEQ
1122		deposited clone.SEQ
1701	G G G G A G T A C A A G G C A T G G C G	original Figure 1A-1D.SEQ
1122		deposited clone.SEQ
1721	T A G A G G G T G C T G C C C C A T G A	original Figure 1A-1D.SEQ
1122		deposited clone.SEQ
1741	A G C C A C A G C C C A G G C C T C C A	original Figure 1A-1D.SEQ
1122		deposited clone.SEQ
1761	G C T C A G C A G T G A C T G T G G C C	original Figure 1A-1D.SEQ
1122		deposited clone.SEQ
1781	A T G G T C C C C A A G A C C T C T A T	original Figure 1A-1D.SEQ
1122		deposited clone.SEQ
1801	A T T T G G T C T T T T A T T T T T A T	original Figure 1A-1D.SEQ
1122		deposited clone.SEQ
1821	G T C T A A A A T C C T G C T T A A A A	original Figure 1A-1D.SEQ
1122		deposited clone.SEQ
1841	C T T T T C A A T A A A C A A G A T C G	original Figure 1A-1D.SEQ
1122		deposited clone.SEQ
1861	T C A G G A A A A A A A A A A A	original Figure 1A-1D.SEQ
1122		deposited clone.SEQ

Decoration 'Decoration #1': Shade (with solid black) residues  
that match the Consensus exactly.

FIG. 1A

10 30 50  
CCTGAAGGAGAGCAGGGAGAGAGAGACAGTGGCCAGAGAGGGCTCTGGGCACTGGAGG  
70 90 110  
GACGCTCTTCTTCTGCCCCAGGGTCCCTGGGCCGATGGGATCACGCAGAGAATGCCGAG  
130 150 170  
AGAAGCAGCCCTTTGAGAAGGGAAGTCACTATCCCAGAGCCCAGACTGAGCGGGATGGAGTT  
M E L  
190 210 230  
GAGGAAGTACGGCCCTGGAAGACTGGCGGGGACAGTTATAGGAGGAGCTGCTCAGAGTAA  
R K Y G P G R L A G T V I G G A A Q S K  
250 270 290  
ATCACAGACTAAATCAGACTCAATCACAAAAGAGTTCTCTGCCAGGCCCTTTACACAGCCCC  
S Q T K S D S I T K E F L P G L Y T A P  
310 330 350  
TTCCTCCCCGTTCCCGCCCTCACAGGTGAGTGACCACCAAGTGCTAAATGACCGCGAGGT  
S S P F P P S Q V S D H Q V L N D A E V  
370 390 410  
TGCCGCCCTCCTGGAGAACTTCAGCTCTTCCATGACTATGGAGAAAACGAGAGTGACTC  
A A L L E N F S S S Y D Y G E N E S D S  
430 450 470  
GTGCTGTACCTCCCCGCCCTGCCACAGGACTTCAGCCTGAACCTTCGACCGGGCCTTCCT  
C C T S P P C P Q D F S L N F D R A F L

## FIG. 1B

490 510 530  
GCCAGCCCTCTACAGCCTCCTCTTTCTGCTGGGGCTGCTGGGCAACGGCGGTGGCAGC  
P A L Y S L L F L L G L L G N G A V A A  
550 570 590  
CGTGTGCTGAGCCGGGACAGCCCTGAGCAGCACCGACACCTTCTGCTCCACCTAGC  
V L L S R R T A L S S T D T F L L H L A  
610 630 650  
TGTAGCAGACACGCTGTGTGCTGACACTGCCGCTCTGGGCAGTGGACGCTGCCGTCCA  
V A D T L L V L T L P L W A V D A A V Q  
670 690 710  
GTGGTCTTTTGGCTCTGGCCTCTGCAAGTGGCAGGTGCCCTCTTCAACATCAACTTCTA  
W V F G S G L C K V A G A L F N I N F Y  
730 750 770  
CGCAGGAGCCCTCCTGTGCTGGCCTGCATCAGCTTTGACCGCTACCTGAACATAGTTCATGC  
A G A L L L A C I S F D R Y L N I V H A  
790 810 830  
CACCCAGCTCTACCGCGGGGGCCCCCGCGGTGACCCCTCACCTGCTGGCTGTCTG  
T Q L Y R R G P P A R V T L T C L A V W  
850 870 890  
GGGGCTCTGCTGCTTTTCGCCCCTCCCAGACTTTCATCTTCTGTGGCCCCACACGACGA  
G L C L L F A L P D F I F L S A H H D E



# FIG. 1C

910  
 GCGCCTCAACGCCACCCACTGCCAATACAACATTCCACAGGTGGGCCGCGCTCTGCG  
 930  
 R L N A T H C Q Y N F P Q V G R T A L R  
 950  
 970  
 GGTGCTGCAGCTGGTGGCTGGCTTTCTGTCTGCCCTGTCTGGTCAATGGCCTACTGCTATGC  
 990  
 V L Q L V A G F L L P L L V M A Y C Y A  
 1010  
 1030  
 CCACATCCTGGCCGTGCTGCTGGTTTCCAGGGGCCAGCGGCCCTGCGGGCCATGCGGCT  
 1050  
 H I L A V L L V S R G Q R R L R A M R L  
 1070  
 1090  
 GGTGGTGGTGGTGGTGGCCCTTTGCCCTCTGTGGACCCCTATCACCTGGTGTGCT  
 1110  
 V V V V V A F A L C W T P Y H L V V L  
 1130  
 1150  
 GGTGGACATCCTCATGGACCTGGGCGCTTTGGCCCGCAACTGTGGCCGAGAAAGCAGGGT  
 1170  
 V D I L M D L G A L A R N C G R E S R V  
 1190  
 1210  
 AGACGTGGCCCAAGTCGGTCACCTCAGGCCCTGGGCTACATGCACCTGCTGCCTCAACCCGCT  
 1230  
 D V A K S V T S G L G Y M H C C L N P L  
 1250  
 1270  
 GCTCTATGCCCTTTGTAGGGGTCAAGTTCCGGGAGCGGATGTGGATGCTGCTCTTGGCGCCT  
 1290  
 L Y A F V G V K F R E R M W M L L L R L  
 1310

# FIG. 1D

1330 1350 1370  
GGGCTGCCCCAACACAGAGAGGGCTCCAGAGGCAGCCATCGTCTTCCCGGGGATTTCATC  
G C P N Q R G L Q R Q P S S R R D S S  
1390 1410 1430  
CTGGTCTGAGACCTCAGAGGCCCTCCTACTCGGGCTTGTGAGGCCGGAATCCGGGCTCCCC  
W S E T S E A S Y S G L \*  
1450 1470 1490  
TTTCGCCACAGTCTGACTTCCCCCGCATTCAGGCTCCTCCTCCTCTGCGGCTCTGG  
1510 1530 1550  
CTCTCCCCAATATCCTCGCTCCCGGACTCACTGGCAGCCCCAGCACCAAGGTCTCCC  
1570 1590 1610  
GGGAAGCCACCCTCCCAGCTCTGAGGACTGCACCATTTGCTGCTCCTTAGCTGCCAAGCCC  
1630 1650 1670  
CATCCTGCCGCCGAGGTGGCTGCCTGGAGCCCCACTGCCCTTCTCATTTGGAAACTAAA  
1690 1710 1730  
ACTTCATCTTCCCCAAGTGCGGGGAGTACAAGGCATGGCGTAGAGGTGCTGCCCCCATGA  
1750 1770 1790  
AGCCACAGCCAGGCCCTCCAGCTCAGCAGTACTGTGGCCATGTGCCCAAGACCTCTAT  
1810 1830 1850  
ATTTGGTCTTTTATTTTATGTCTAAAAATCCTGCTTTAAAACTTTTCAATAACAAGATCG  
1870  
TCAGGAAAAA